BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of RCC drain at Allalsandra in ward no. 04

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)								
	For Drain Desilt	Sqm							
	Behind Janapriya Apartment								
	Rd-1		2	100.00	0.75		150.00		
	Rd-2		2	100.00	0.75		150.00		
	Rd-3		2	100.00	0.75		150.00		
							450.00		
	20% damaged						90.00		
							360.00	111.30	**40068.00**
	Basic Rate Rs.=	105.00							
	Add 6% A.W Rs. =	6.30							
	Total Rate Rs. =	**111.30**							
2	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete.II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.20 of PWD BCSR 2018-19)								
		Cum							
	Janapriya Apartment								
	Mn Rd		2	80.00	1.00	0.10	16.00		
							16.00	490.88	**7854.08**
	Basic Rate Rs.=	390.00							
	Add 6% A.W Rs. =	23.40							
	Sub Total =	413.40							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**490.88**							
3	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For Drain Desilt	Cum							
	Behind Janapriya Apartment								
	Rd-1		2	100.00	0.45	0.40	36.00		
	Rd-2		2	100.00	0.45	0.40	36.00		
	Rd-3		2	100.00	0.45	0.35	31.50		
	Mn Rd		2	80.00	0.60	0.40	38.40		
	For RCC Drain								
	Allalsandra								
	Cross Road-1		1	104.00	1.10	1.00	114.40		
							256.30	215.28	**55176.26**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For RCC Drain	Cum							
	Allalsandra								
	Cross Road-1								
			1	104.00	1.10	0.15	17.16		
	Basic Rate Rs.=	5115.00					17.16	5421.90	93039.80
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Allalsandra								
	Cross Road-1								
	side walls		1	104.00	0.90	0.15	14.04		
	Cross Road-1								
			2	104.00	0.15	0.60	18.72		
							32.76		
	Basic Rate Rs.=	6670.00			Net Qty.		32.76	7070.20	231619.75
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		32.76	0.060	–	1.97		
	Basic Rate Rs.=	69804.00					1.97	73992.24	145439.15
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
7	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Allalsandra								
	Cross Road-1								
	Mn Rd		1	104.00	0.90	--	93.60		
	missing/damaged fm item no. 01		2	80.00	0.90	--	144.00		
						--	90.00		
							327.60	2337.00	**765601.20**
	Add GST @ 12%							Sub Total 1 Rs.	**1338798.25**
									160655.79
	Miscellaneous & Rounding off							Sub Total 2 Rs.	**1499454.04**
									545.96
	CERTIFICATE:							Total Rs.	**1500000.00**

1 The work spot has been inspected by me and the work is found to be necessary
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Ramanjaneyah
Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Approval

Accorded For Rs 15.00 lakhs only
Head of A/C P1771
CER NO : 201 Dt: 27.03.2020

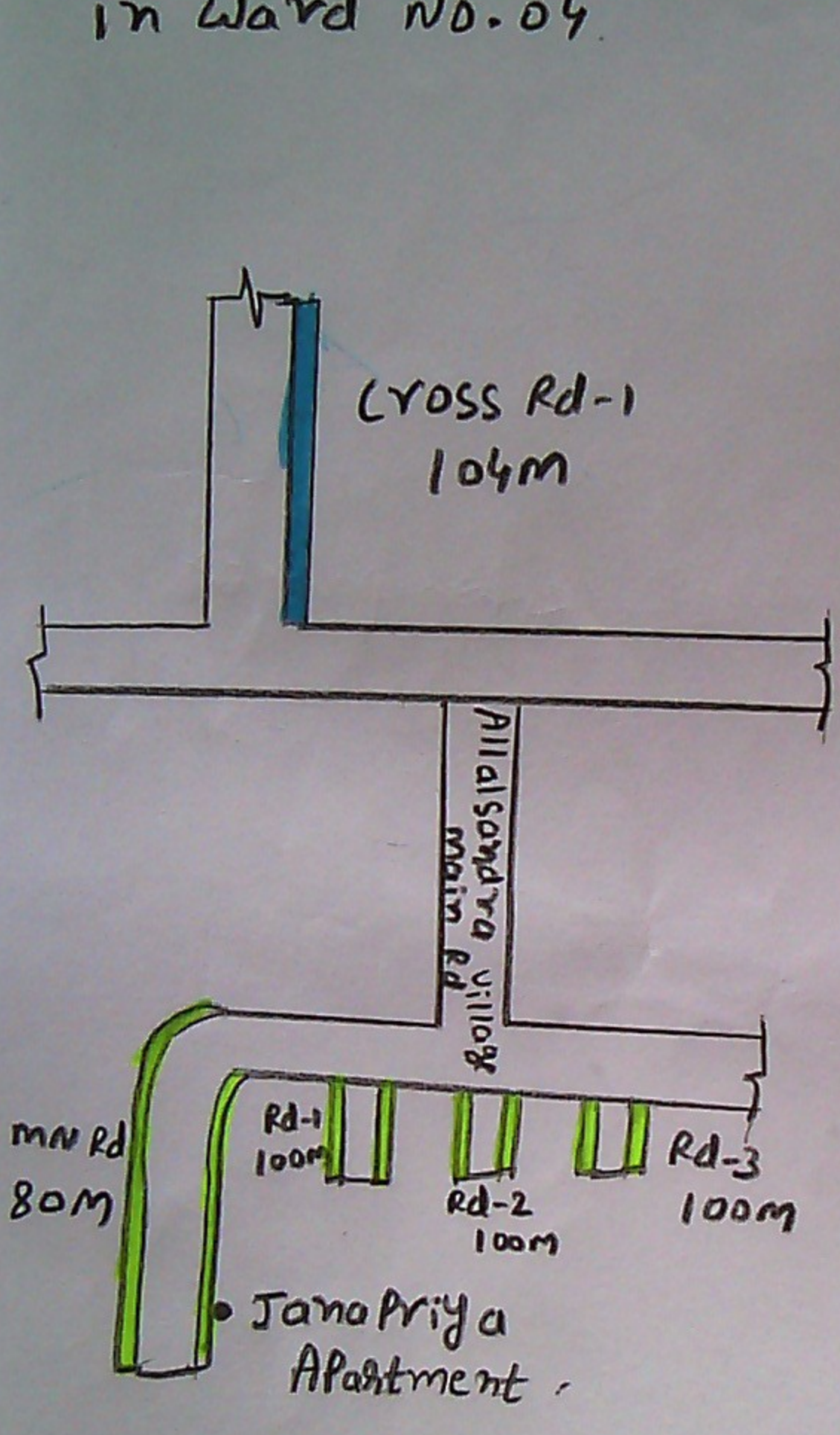
TA

CE (NZ)

TECHNICALLY SANCTIONED FOR Rs. 15.00 lakhs
Rupees Fifteen lakhs only
Under 2019-20 BBMP Zonal Works P-1771
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. Estimate A/ Sanctioned
EE/YNK/T.S/42/2020-21 No.
Dated 17/4/2020 Rs. 15.00 lakhs

Executive Engineer

Construction of RCC drain at Allalsondra in ward NO.04



Ramaiyareddy

Engineer

- RCC Drain
- RCC desilt